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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:32:27 ON 04 JUN 2007

ENTER COST CENTER (NONE):none

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

FILE 'REGISTRY' ENTERED AT 08:33:34 ON 04 JUN 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2007 HIGHEST RN 936470-74-5

DICTIONARY FILE UPDATES: 3 JUN 2007 HIGHEST RN 936470-74-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s haegtftsdvssylegqaakefiawlvkg[rk](k){1-9}r/sqsp

L1 0 HAEGTFTSDVSSYLEGQAKEFIWLVKG(RK)(K){1-9}R/SQSP

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=> s haegtftsdvssylegqaqefiawlvng[rk](k){1-9}r/sqsp

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L4 1 HSEGTFTSDVSSYLEGQAQEFIAWLVNG(RK)(K){1-9}R/SQSP

=> d l2 1-5 kwic sqide

'SQIDE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
 SAM - Index Name, MF, and structure - no RN
 FIDE - All substance data, except sequence data
 IDE - FIDE, but only 50 names
 SQIDE - IDE, plus sequence data
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
 SQD - Protein sequence data, includes RN
 SQD3 - Same as SQD, but 3-letter amino acid codes are used
 SQN - Protein sequence name information, includes RN

 CALC - Table of calculated properties
 EPROP - Table of experimental properties
 PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
 APPS -- Application and Priority Information
 BIB -- CA Accession Number, plus Bibliographic Data
 CAN -- CA Accession Number
 CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
 IND -- Index Data
 IPC -- International Patent Classification
 PATS -- PI, SO
 STD -- BIB, IPC, and NCL

 IABS -- ABS, indented, with text labels
 IBIB -- BIB, indented, with text labels
 ISTD -- STD format, indented

 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
 HELP FORMATS -- To see detailed descriptions of the predefined formats.
 ENTER DISPLAY FORMAT (IDE):end

=> d l2 1-5 sqide

L2 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 683205-74-5 REGISTRY
 CN L-Arginine, L-histidyl-L-seryl-L- α -glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L- α -aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L- α -glutamylglycyl-L-glutamyl-L-alanyl-L-alanyl-L-lysyl-L- α -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-leucyl-L-valyl-L-lysylglycyl-L-lysyl-L-lysyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 32

SEQ 1 HSEGTFTSDV SSYLEGQAAK EFWLVLKVK KR

=====

HITS AT: 1-32

MF C161 H249 N43 O49

SR CA

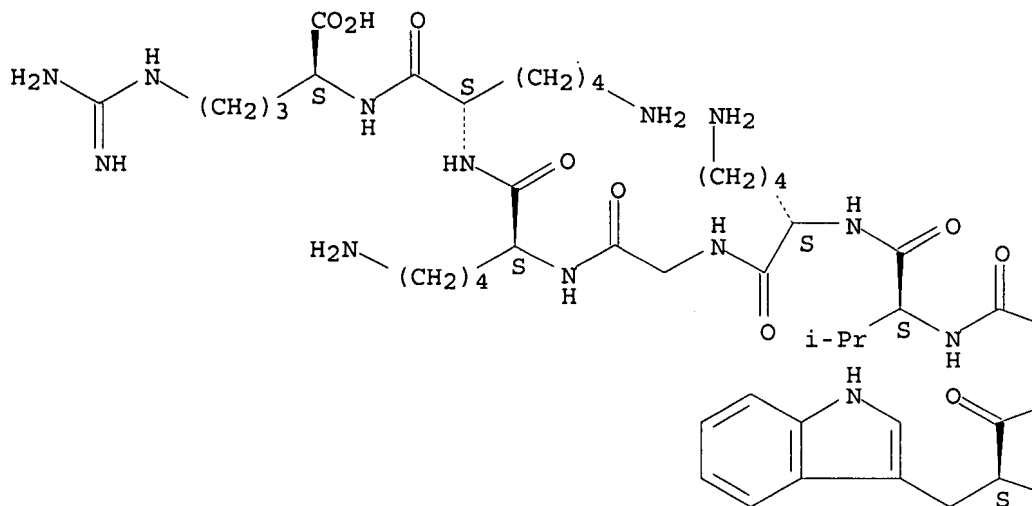
LC STN Files: CA, CAPLUS, USPTFULL

DT.CA Caplus document type: Patent

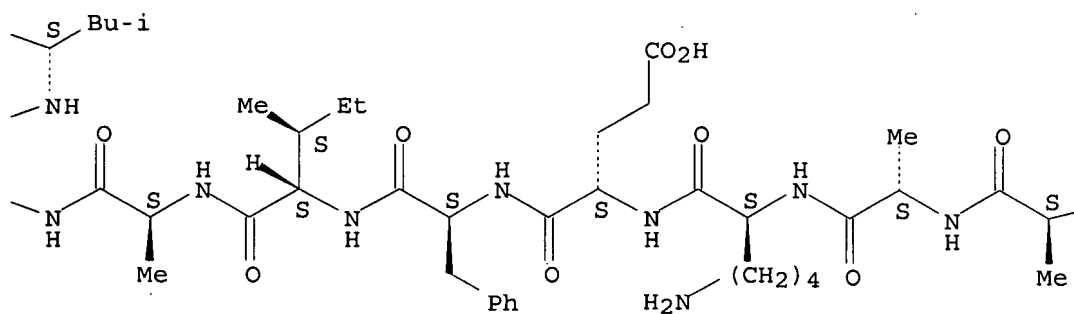
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

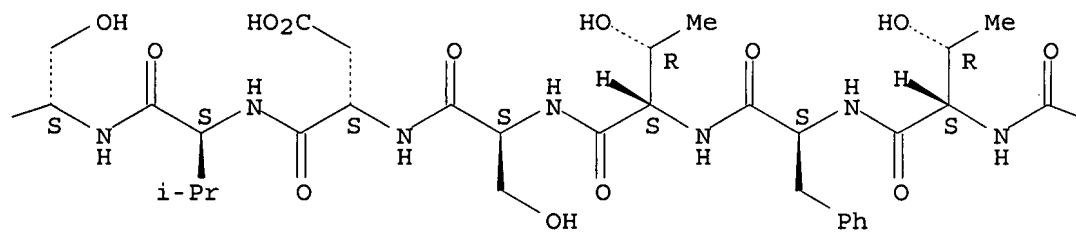
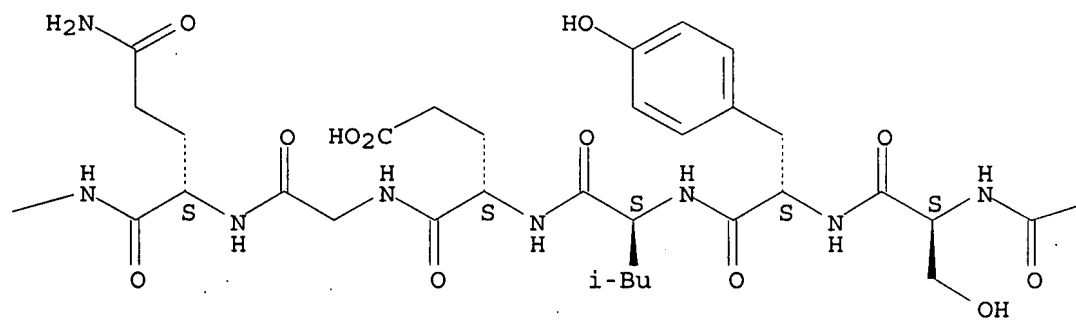
Absolute stereochemistry.

PAGE 1-A



PAGE 1-B





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L2  ANSWER 2 OF 5  REGISTRY  COPYRIGHT 2007 ACS on STN
RN  682841-16-3  REGISTRY
CN  L-Arginine, L-histidyl-L-seryl-L- $\alpha$ -glutamylglycyl-L-threonyl-L-
    phenylalanyl-L-threonyl-L-seryl-L- $\alpha$ -aspartyl-L-valyl-L-seryl-L-seryl-
    L-tyrosyl-L-leucyl-L- $\alpha$ -glutamylglycyl-L-glutaminyl-L-alanyl-L-alanyl-
    L-lysyl-L- $\alpha$ -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-
    tryptophyl-L-leucyl-L-valyl-L-lysylglycyl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-
    L-lysyl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-L-lysyl- (9CI)  (CA INDEX NAME)
FS  PROTEIN SEQUENCE
SQL  40

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L2 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN
RN 682841-15-2 REGISTRY
CN L-Arginine, L-histidyl-L-seryl-L- $\alpha$ -glutamylglycyl-L-threonyl-L-
phenylalanyl-L-threonyl-L-seryl-L- $\alpha$ -aspartyl-L-valyl-L-seryl-L-seryl-
L-tyrosyl-L-leucyl-L- $\alpha$ -glutamylglycyl-L-glutaminyl-L-alanyl-L-alanyl-
L-lysyl-L- $\alpha$ -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-
tryptophyl-L-leucyl-L-valyl-L-lysylglycyl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-
L-lysyl-L-lysyl-L-lysyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 37
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SEQ 1 HSEGTFTSDV SSYLEGQAAK EFIAWLVK GK KKKKKK

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HITS AT: 1-37
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP
      (Properties); USES (Uses)
          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN
RN 682841-14-1 REGISTRY
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  L-tyrosyl-L-leucyl-L- $\alpha$ -glutamylglycyl-L-glutaminy-L-alanyl-L-alanyl-
  L-lysyl-L- $\alpha$ -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-
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FS PROTEIN SEQUENCE
SQL 35

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SEQ 1 HSEGTFTSDV SSYLEGQAAK EFIAWLVK GK KKKKR
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HITS AT: 1-35
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP
      (Properties); USES (Uses)
          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L2 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN
RN 682841-13-0 REGISTRY
CN L-Arginine, L-histidyl-L-seryl-L- $\alpha$ -glutamylglycyl-L-threonyl-L-
  phenylalanyl-L-threonyl-L-seryl-L- $\alpha$ -aspartyl-L-valyl-L-seryl-L-seryl-
  L-tyrosyl-L-leucyl-L- $\alpha$ -glutamylglycyl-L-glutaminy-L-alanyl-L-alanyl-
  L-lysyl-L- $\alpha$ -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-
  tryptophyl-L-leucyl-L-valyl-L-lysylglycyl-L-lysyl-L-lysyl-L-lysyl- (9CI)
  (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 33

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SEQ 1 HSEGTFTSDV SSYLEGQAAK EFIAWLVK GK KKR
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HITS AT: 1-33
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP
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          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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=> d his

(FILE 'HOME' ENTERED AT 08:32:27 ON 04 JUN 2007)

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 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
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 CA 2502118 A1 20040506 CA 2003-2502118 20031010
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 CN 1703424 A 20051130 CN 2003-80101244 20031010
 US 2006194720 A1 20060831 US 2005-530125 20051027
 PRAI JP 2002-299283 A 20021011
 WO 2003-JP13020 W 20031010

=> d 16

L6 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:370962 HCAPLUS
 DN 140:380655
 TI GLP-1 derivatives and transmucosal absorption preparations thereof
 IN Hayashi, Yuji; Makino, Mitsuhiro; Kouzaki, Toshiyuki; Takeda, Motohiro;
 Jomori, Takahito
 PA Sanwa Kagaku Kenkyusho Co., Ltd., Japan
 SO PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004037859	A1	20040506	WO 2003-JP13020	20031010
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
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LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,				
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FILE 'REGISTRY' ENTERED AT 08:33:34 ON 04 JUN 2007

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